

11042A PROBE COAXIAL 'T' CONNECTOR OPERATING NOTE

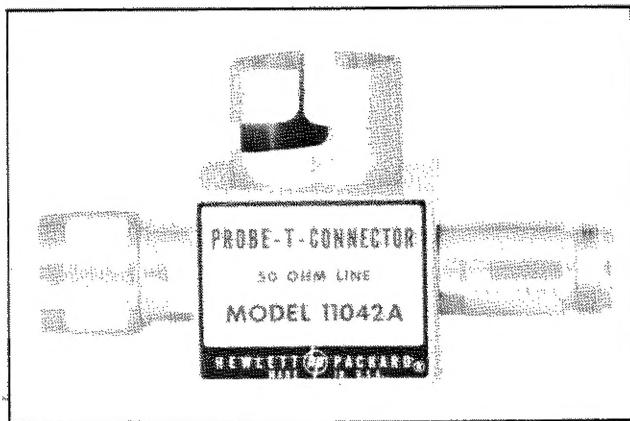


Figure 1. Model 11042A Probe Coaxial "T" Connector

1. DESCRIPTION.

2. The Model 11042A Probe Coaxial "T" Connector is an accessory for the Model 410B/C Voltmeter. The Model 11042A is used for measuring voltages between the center conductor and sheath of a 50-ohm transmission line.

3. OPERATION.

4. The procedure for connecting the Model 11042A to the transmission line and voltmeter is discussed in the Model 410B/C Operating and Service Manual. Briefly, the procedure is as follows:

a. The Model 11042A has three connectors: two type N connectors for line connections, and a large socket which accommodates the Model 410B/C AC Probe.

(1) Insert the Model 11042A in the line at the type N connectors (see Figure 1).

(2) Apply signal to the transmission line.

(3) Remove the tip from the Model 410B/C AC Probe, and insert the diode probe in the large socket of the 11042A "T" connector.

CAUTION

TURN THE PROBE INTO THE "T" CONNECTOR ONLY UNTIL A SIGNAL IS OBSERVED ON THE 410B/C. TURNING THE PROBE ALL THE WAY TO THE STOPS CAN DAMAGE THE CAPACITOR IN THE 11042A.

b. The voltage at the point where the Model 11042A is inserted in the line can be read directly on the Model 410B/C AC scale.

SPECIFICATIONS

FREQUENCY RANGE: 100 Hz to 1000 MHz

STANDING-WAVE RATIO: Maximum at 500 MHz: 1.1
Maximum at 1000 MHz: 1.2

LINE CONNECTORS: Type N male
Type N female

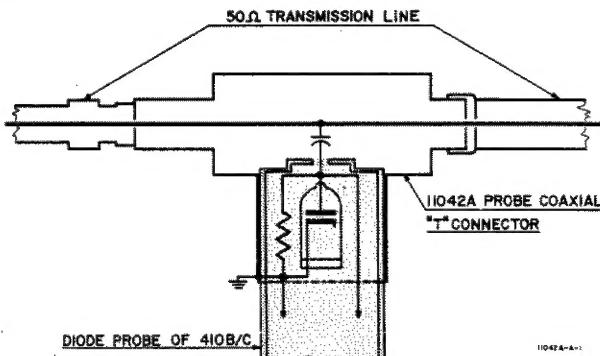


Figure 2. Connection of Model 410B/C AC Probe to Model 11042A "T" Connector, Schematic Presentation.

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